

Message from the Dean - School of Engineering

The University of Nairobi, School of Engineering (SOE) is the premier Engineering Institution in Kenya and the region and it is known for excellence in engineering education. Established in 1956, the School of Engineering has grown to a student enrolment of over 2,500 undergraduates who pursue programs accredited by the professional bodies in five departments leading to the award of Bachelor of Science degrees in Civil Engineering, Electrical and Electronics Engineering, Mechanical Engineering, Biosystems Engineering and Geospatial Engineering. The School has started the process of establishing a new department of Petroleum Engineering to produce graduates with relevant skills to take advantage of the recent discovery of commercial quantities of hydrocarbons in Kenya and the East Africa region.

The School of Engineering has well developed postgraduate programs offered in all the five departments with an enrolment of over 300 M.Sc and Ph.D students. The School has a high compliment of qualified staff with over 20 professors in Engineering and more than 30 Ph.D in Engineering spread within the five departments. The management and staff in the School of Engineering has over the years made great sacrifices to maintain the standards of engineering education inspite of the growth in enrolment within an environment of a national shortage of engineering Ph.D holders. To mitigate the challenge of staff shortage, the School of Engineering has embarked on a program to hire bright young engineers as Tutorial Fellows with the aim of enrolling them into our M.Sc. and Ph.D programs so that they can become a succession pool for our senior academics.

The School is reviewing all curriculums to be in line with modern technological trends and to embrace innovation as a way to take knowledge from the lecture theatre to industry and meet the goals of Kenya Vision 2030. To support these initiatives the School of Engineering has started a process of modernization of teaching facilities, laboratories and equipment. The School recognizes the University of Nairobi management valuable commitment to the modernization of the School and the building of the proposed Engineering and Science Complex will be one of the biggest achievement of the School of Engineering transformation into a world class engineering education faculty producing graduates with qualifications and skills that can compete with the best engineers in the global marketplace.

With support from highly skilled technologists, the academic members of staff in the School of Engineering are engaged in research activities that enhance the quality of our programs. The research activities are now supported through equipment and facilities for product development and rapid prototyping located at Fab Lab in the Mechanical Engineering building, Internet of Things (IOT) Lab in the Department of Electrical and Information Engineering and the Science and Technology Park located at the University of Nairobi Lower Kabete Campus. It is expected that, these facilities will provide the environment for our students and staff to become innovators and transform ideas into marketable products that will create wealth and jobs and contribute to the growth of the Information and Communications Services and Manufacturing Gross Domestic Product.

The School of Engineering students have formed various organizations like Engineering Students Association (ESA), Association of Civil Engineering Students (ACETS), Geospatial Engineering Students Association (GESA) and Environmental and Biosystems Engineering Students Association (EBESA). Through these associations, the students engage in professional and social activities that enhance their development into holistic graduates. The School of Engineering supports these associations activities which include football tournaments, Student Engineer magazine both organized by ESA. In addition the School supports social activities carried out by the students including mentoring and community outreach programs.

The School maintains a live and enriching engagement with both local and foreign partners through the exchange of external examiners, visiting scholars and research collaborators. The School is now developing stronger links with local industry and the potential employers of our students. Through these links, our students will become the solution providers for our industry and the Kenyan economy instead of them playing the traditional role of job seekers after graduation. For more information, visit our website at <http://www.uonbi.ac.ke>